Subject: Re: DEM GTOPO30
Posted by jeanh on Tue, 01 Jun 2010 14:37:36 GMT

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On 01/06/2010 9:56 AM, nata wrote:
> Dear All,
>
> I'm trying to read some digital elevation models (GTOPO30) from
> http://eros.usgs.gov/#/Find_Data/Products_and_Data_Available /gtopo30_info.
>
> I was wondering if anyone have any IDL routines for working with the
> vector and raster data formats...
>
> Thanks a lot !
>
> nata

Hi,

a few years ago, the simplest way was to convert the dem to xyz
triplets, then to read this into IDL. (I just had to load the files
once, it might be different if you want to interactively select the
files etc).

I was using the tool from http://data.geocomm.com/dem/dem2xyzn/ (the 2nd
one, NOT sdts2dem.exe).

In IDL, I wrote a program to convert the DEM filenames to DOS compatible
names (required by the tool). Then I wrote another program to create the
command for the tool (input, output and write random character to answer
the question "press any key to continue"), in a loop (for every DEM
input) and spawn dem2xyzn.exe with the command (spawn, 'dem2xyzn <
dem2xyz_command.txt')

Jean

Subject: Re: DEM GTOPO30
Posted by natha on Tue, 01 Jun 2010 14:57:57 GMT

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Hi Jean,

Thanks for your reply. I realized that is not very difficult to read
the DEM files

  topo = INTARR(ncols,nrows)
  OPENR, 1, dem_file, /SWAP_ENDIAN

```
READU, 1, topo
CLOSE, 1
```

Thanks,
nata

Subject: Re: DEM GTOPO30
Posted by d.poreh on Thu, 03 Jun 2010 08:04:53 GMT
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On Jun 1, 7:57 am, nata <bernat.puigdomen...@gmail.com> wrote:
> Hi Jean,
>
> Thanks for your reply. I realized that is not very difficult to read
> the DEM files
>
>   topo = INTARR(ncols,nrows)
>   OPENR, 1, dem_file, /SWAP_ENDIAN
>   READU, 1, topo
>   CLOSE, 1
>
> Thanks,
> nata

How could we find ncols,nrows?
Cheers